



# 9 7/26/99  
Amold K  
PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : M. Allen Northrup et al.  
Serial No.: 08/900,735  
Filed : 07/24/1997  
Title : MICROFABRICATED REACTOR

Art Unit: 1634  
Examiner: Sisson, B.

Assistant Commissioner for Patents  
Washington, DC 20231

RESPONSE

In response to the examiner's action dated January 15, 1999, please amend the claims as follows.

C1  
1. (Twice amended) An apparatus [instrument] for controlling [at least one] a chemical reaction, comprising:

a) an array of chambers [for containment of the reaction] including:

[at least one] a reaction chamber configured to contain a chemical reaction [for preparing a sample for use in said reactions];

at least one reactant chamber configured to receive one or more reactants [for adding or removing reagents involved in said reactions];

at least one channel interconnecting said reaction and reactant chambers;

b) a heater configured to heat reactants in the reaction chamber;

[b)] c) a temperature controller coupled to the heater and configured to control the temperature of a reaction in the reaction chamber [of said reaction];  
and

[c)] d) a product analysis chamber coupled to the reaction chamber and adapted to analyze reaction products contained in the product analysis chamber.

07/20/1999 RMAGAT 00000060 08900735

03 FC:103

36.00 OP

Date of Deposit

7/12/99

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class** mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Sheri Wysocki

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